

NAME: _____

DATE: _____

Unit-2 Reduced Mastery Assessment (version 310)**Question 1 (20 points)**

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

$$y = \log_2(x) - 2$$

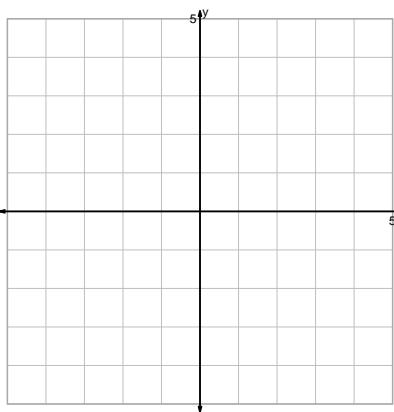
$$y = 2^{x+2}$$

$$y = \frac{\sqrt{x}}{2}$$

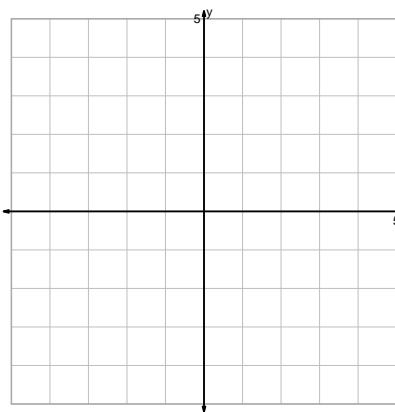
$$y = x^3 + 2$$

Question 2 continued...

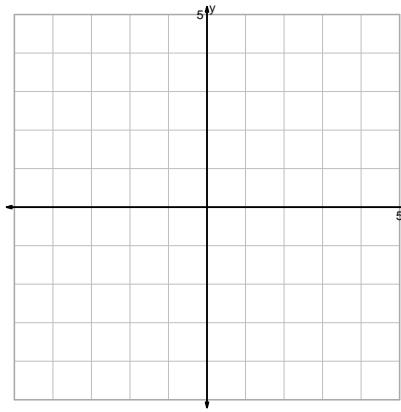
$$y = \log_2(-x)$$



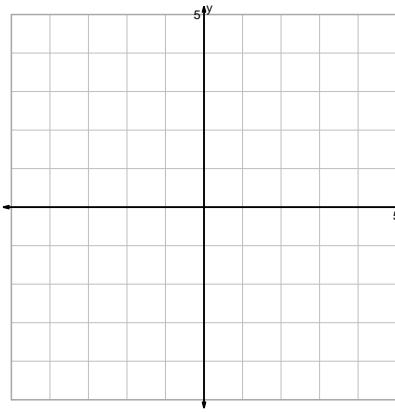
$$y = (x-2)^2$$



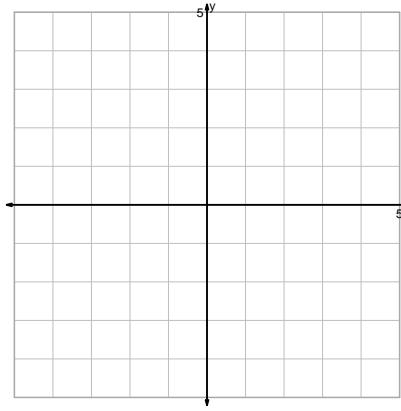
$$y = -\sqrt{x}$$



$$y = 2 \cdot \sqrt[3]{x}$$



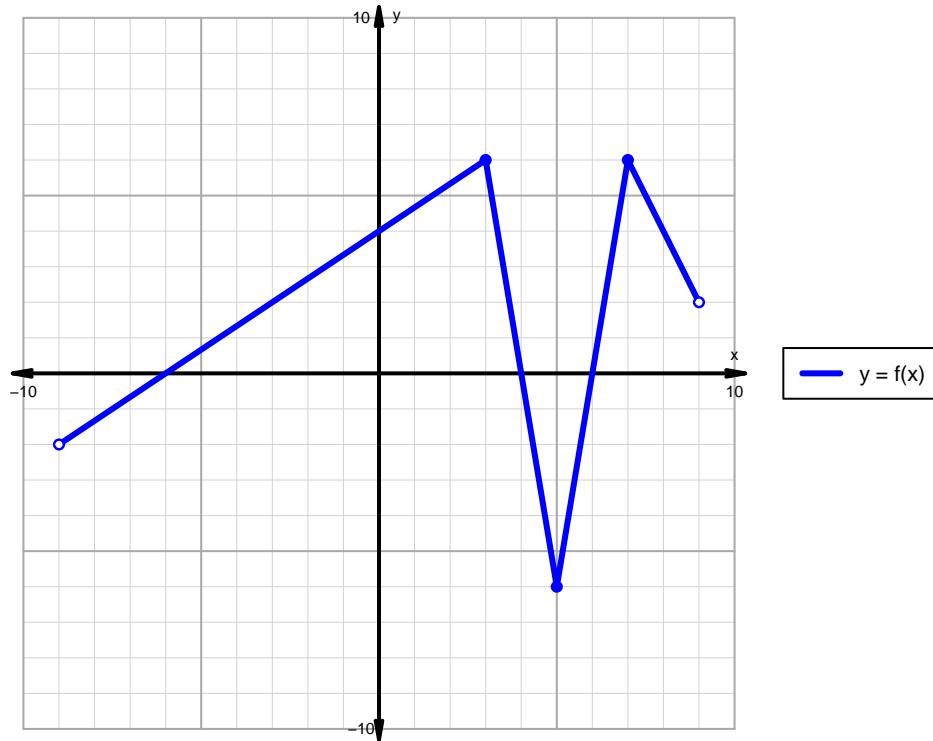
$$y = (2x)^3$$



$$y = \sqrt[3]{\frac{x}{2}}$$

Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	